

## Garant

**GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 15 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 122716 15     |
| GTIN         | 4045197794598 |
| Item class   | 11E           |

### Description

#### Version:

Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low installed power** and high speeds.

- **Clear reduction in cutting forces due to special cutter geometry.**
- **Coating for best wear resistance even at high process temperatures.**
- **Polished flutes for good chip clearance.**

A **slim chisel point** and the **special arrangement of the 4 guide chamfers** ensure **high positioning and alignment accuracy**. Optimised micro-geometry for increased working life and performance capability.

#### Recommendation:

#### Maximum drilling depth:

clamping slot length (see table) less 1.5×nominal Ø.

#### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 60.5 mm

Overall length L: 133 mm

Shank Ø  $D_s$ : 16 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.34 mm/rev.

### Technical description

|                     |    |
|---------------------|----|
| Tolerance nominal Ø | h7 |
|---------------------|----|

|   |                     |
|---|---------------------|
| Feed f in steel < 1100 N/mm <sup>2</sup>          | 0.34 mm/rev.        |
| Flute length L <sub>c</sub>                       | 83 mm               |
| Number of cutting edges Z                         | 2                   |
| Nominal Ø D <sub>c</sub>                          | 15 mm               |
| Shank Ø D <sub>s</sub>                            | 16 mm               |
| Overall length L                                  | 133 mm              |
| Standard  | DIN 6537            |
| recommended maximum drilling depth L <sub>2</sub> | 60.5 mm             |
| Series  | GARANT Master Steel |
| Coating   | TiAlN               |
| Tool material                                     | solid carbide       |
| Drill depth up to                                 | 6×D                 |
| Point angle                                       | 135 degrees         |
| Cutting direction                                 | right-hand          |
| Shank   | DIN 6535 HB to h6   |
| Through-coolant                                   | Yes, with 25 bar    |
| Machining strategy                                | HPC                 |
| Semi-Standard                                     | yes                 |
| Colour ring                                       | green               |
| Type of product                                   | Jobber drill        |